



Formulation

Name	CONCENTRATED CAR WASH FOR CAR WASH OPERATORS	
No.	866	
Description	This is a highly-concentrated car wash detergent for car wash operations that use brushes, bristles, or any mechanical action. It removes typical dirt build-up on the car.	
Formulation	INGREDIENTS:	<u>% by Weight</u> <u>Functionality</u>
	Deionized Water	q.s. to 100.0 Diluent
	BIO-TERGE® AS-40	60.0 Primary Surfactant
	NINOL® 40-CO	2.5 Foam Booster
	STEPANATE® SXS	3.0 Hydrotrope
	Versene 100 (Tetrasodium EDTA) Dow Chemical	4.0 Chelating Agent
	Dowanol EB (Glycol Ether EB) Dow	3.0 Solvent
	Preservative	q.s. Additive
	Fragrance	q.s. Additive
	Dye	q.s. Additive
	Total	100.0
Procedure	Mix ingredients in order shown until homogenous.	
Physical Properties	Appearance at 25°C	Clear liquid
	pH, as is	11.5
	Viscosity at 25°C, cps	<30
	Density, lbs/gal	8.60
	Solids, %	28.5-31.5
	VOC (calculation) at 1:500 dilution level, %	<0.1%
Storage/Stability	1 Month at 25°C	Stable
	1 Month at 4°C	Stable
	1 Month at 50°C	Stable
	Freeze/Thaw, 10 cycles	Pass
Instructions for Use	This formulation can be diluted to 1:500 and applied with the proper car wash equipment.	
External Comment	Marketing Notes: When used at Stepan's recommended dilution level of 1:500, this formulation is VOC-compliant with U.S. Federal and California Air Resource Board (CARB) Consumer Products regulation for non-aerosol, motor vehicle wash (0.2% VOC limit as of December 31, 2012).	
Registered Trademarks of Stepan Company	BIO-TERGE® NINOL® STEPANATE®	
For Additional Assistance	For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or 011-334-76-505-100 (Europe). For ordering assistance, call our Account Service Department at 1-800-457-7673.	

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